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CLAIMS

- 1) Mixing and extrusion machine for rubber-based and silicone-based plastic materials of the type comprising a dump extruder equipped with conical converging twin screws located in a
 batching chamber, characterised in that the outlet of said
 batching chamber is temporarily sealed by a removable blind
 flange, said batching chamber also acting as compounding chamber.
- 2) Machine as claimed in claim 1) characterised in that the front end of said conical screws (10) grazes said sealing blind flange (11).
 - 3) Machine as claimed in claim 1) or claim 2), in which said batching chamber is sealable in an airtight manner to carry out the compounding process under vacuum.
- 4) Machine as claimed in claim 1), 2) or 3), in which said conical screws are counterrotating.
 - 5) Compounding and extrusion method of a semifinished rubber-based or silicone-based plastic product, of the type comprising the step of extruding said semifinished product from a dump extruder equipped with two conical converging twin screws, characterised in that it further comprises the following prior steps:
 - applying onto the outlet of the dump extruder a blind flange that closes the outlet,
 - feeding the raw material to be compounded into the batching chamber of said conical screws,
 - starting the dump extruder for the time necessary to obtain a compounding of the raw material in said chamber,
- removing said blind flange and continuing the operation of the dump extruder up to the extrusion of the compound.
 - 6) Method as claimed in claim 5), characterised in that after the step of introducing the raw material the following further steps are carried out:
- supplying a sealing cover over the opening where the raw material is introduced,
 - placing said batching chamber under vacuum for the whole mixing time.
 - 7) Method as claimed in claim 5) or 6), in which after removing said blind flange a flange with an open drawing plate

of the desired shape is mounted.